

CLAIMS:

- 1 1. A method of controlling the rates for users over a link between a first
2 node and a second node within a wireless communications system, said method
3 comprising the steps of:
4 setting at least one user to a reduced rate over said link as a function of rates of
5 a plurality of users.
- 1 2. The method of claim 1 wherein said step of setting comprising the step
2 of:
3 changing the size of a transport format block for said at least one user.
- 1 3. The method of claim 1 comprising the steps of:
2 employing a RNC as said first node and a Node B as said second node.
- 1 4. The method of claim 1 comprising:
2 calculating a sustainable rate R_s per user as a function of a number N of said
3 users and said rates;
4 determine said reduced rate R_{TFj} as a function of said sustainable rate R_s ;
5 setting a number N_L of users to said reduced rate R_{TFj} where said number N_L is
6 at least a function of said sustainable rate R_s , said number N of users and said reduced
7 rate R_{TFj} .
- 1 5. The method of claim 1 comprising the step of:
2 using said second node to establish wireless links with said users located in
3 geographic proximity to said second node.
- 1 6. The method of claim 1 comprising the steps of:
2 employing a RNC as said first node and a Node B as said second node.

1 7. The method of claim 1 comprising the steps of:
2 using a plurality of users having a plurality of bearer rates; and
3 setting said at least one user to a reduced rate within a bearer rate for said user.

1 8. The method of claim 1 comprising the steps of:
2 using a plurality of users having a plurality of priority classes; and
3 setting said at least one user to a reduced rate within a bearer rate and priority
4 class for said user.

1 9. The method of claim 1 comprising the steps of:
2 selecting a size of a transport format block for a user by changing the number
3 of transport blocks used to form said transport format block as a function of the size
4 of transport format blocks of at least one other user.